

AMENDMENTS TO THE CLAIMS

1-6. (Canceled).

7. (Currently Amended) A method for matching partner-seeking individuals in a dating service, comprising

determining the MHC Class I and Class II genetic profiles of a plurality of said individuals, thereby providing a plurality of profiled individuals;

performing a plurality of comparisons between said profiles for a plurality of said profiled individuals, wherein a greater level of heterozygosity between a pair of profiled individuals is indicative of a greater level of compatibility;

matching said profiled individuals based on said level of heterozygosity, thereby providing profile-matched individuals; and

partnering at least one pair of said profile-matched individuals into a social or potentially sexual group in a dating service.

8. (Previously Presented) The method of claim 7, wherein said comparisons are performed for all of said individuals.

9. (Previously Presented) The method of claim 7, wherein said profiles include the HLA-A and HLA-B loci in the Class I region, and the DRB1 locus in the Class II region.

10. (Previously Presented) The method of claim 7, wherein compatibility of said individuals is also determined using other processes.

11 and 12. (Canceled).

13. (Currently Amended) The method of claim 7 [[6]], wherein said determining comprises ~~obtaining sample genetic material from said plurality of individuals and typing said sample genetic material obtained from said plurality of individuals to determine said individuals' MHC Class I and Class II profiles.~~

14. (New) The method of claim 7, further comprising obtaining sample genetic material from said plurality of individuals, wherein said sample genetic material is then typed to determine said individuals' MHC Class I and Class II profiles.

15. (New) The method of claim 7, wherein at least one pair of said profile-matched individuals is partnered into a social group in a dating service.

16. (New) The method of claim 7, wherein at least one pair of said profile-matched individuals is partnered into a potentially sexual group in a dating service.